AMENDMENT NO. 3 FEBRUARY 2021

TO

IS 10500 : 2012 DRINKING WATER — SPECIFICATION

(Second Revision)

[*Page* 2, *Table* 2, *Sl. No.* (xv), *col* 3] — Substitute '1.0' *for* '0.5'.

(*Page* 2, *Table* 2, *Notes*) — Substitute the following for the existing Notes:

'NOTES

1 Approved and validated international test methods from ISO/ APHA/ ASTM/ AOAC/ EPA/ EN may also be followed.

2 In case of dispute, methods given at column 5 and wherever indicated by '*' shall be the referee method.

3 It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible limit in the absence of alternate source' in col 4, above which the sources will have to be rejected.'

(*Page* 3, *Table* 3) — Insert the following new entry at the end:

Table 3

Sl No. (1)	Characteristic (2)	Requirement (Acceptable Limit) (3)	Permissible Limit in the Absence of Alternate Source (4)	Method of Test, Ref to (5)	Remarks (6)
xiii)	Uranium, mg/l, *Max*	0.03	No relaxation	IS 3025 (Part 65)	—

(*Page* 3, *Table* 3, *Notes*) — Substitute the following for the existing:

'NOTES

1 Approved and validated international test methods from ISO/ APHA/ ASTM/ AOAC/ EPA/ EN may also be followed.

2 In case of dispute, methods given at column 5 and wherever indicated by '*' shall be the referee method.

3 It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible limit in the absence of alternate source' in col 4, above which the sources will have to be rejected.'

(*Page* 5, *clause* **4.2.7**) — Substitute the following for the existing clause:

'**4.2.7** MS2 phage are indicators of viral contamination in drinking water and have been taken as representatives for presence of viruses for the purpose in this standard. MS2 phage shall be absent in 1 litre of water when tested in accordance with USEPA method 1601 or USEPA method 1602. In case of dispute, USEPA method 1602 shall be the referee method.

NOTE (for guidance purpose only) — If MS2 phage are detected in the drinking water, the virological examination is to be done by the Polymerase Chain Reaction (PCR) method as given in Annex B or the USEPA method in Manual of Method for Virology Chapter 16, June 2001. If viruses are detected, the cause must be determined by immediate further investigation by the concerned authorities.'

(*Page* 5, *clause* **4.2.7**) — Insert the following new clause:

'**4.2.8** The information given in clauses **4.2.1** to **4.2.6** is for guidance purposes only.'

(*Page* 6, *clause* **4.3.10**) — Substitute the following for the existing clause:

'**4.3.10** The drinking water is expected to be free from microscopic organisms such as algae, zooplanktons, flagellates, parasites and toxin producing organisms. An illustrative (and not exhaustive) list is given in Annex C for guidance.'

(*Page* 6, *clause* **4.3.10**) — Insert the following after clause **4.3.10**:

'**4.3.11** The information given in clauses **4.3.1** to **4.3.7** and **4.3.10** is for guidance purposes only.'

(*Page* 6, *clause* **5**) — Substitute the following for the existing clause:

'5 SAMPLING

Representative samples of water shall be drawn as prescribed in IS 1622 and IS 3025 (Part 1). For bacteriological requirements, representative samples of water shall be drawn as given in IS 15185.'

(*Page* 6, *Annex* A) — Insert the following new entries at appropriate places:

IS No.	*Title*
3025 (Part 65) : 2014	Methods of sampling and test (physical and chemical) for water and waste water : Part 2 Application of inductively coupled plasma mass spectrometry (ICP-MS) — Determination of 62 elements
15185 : 2016	Water quality — Detection and enumeration of *Escherichia coli* and coliform bacteria — Membrane filtration method for water with low bacterial background flora (*first revision*)

(FAD 14)

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